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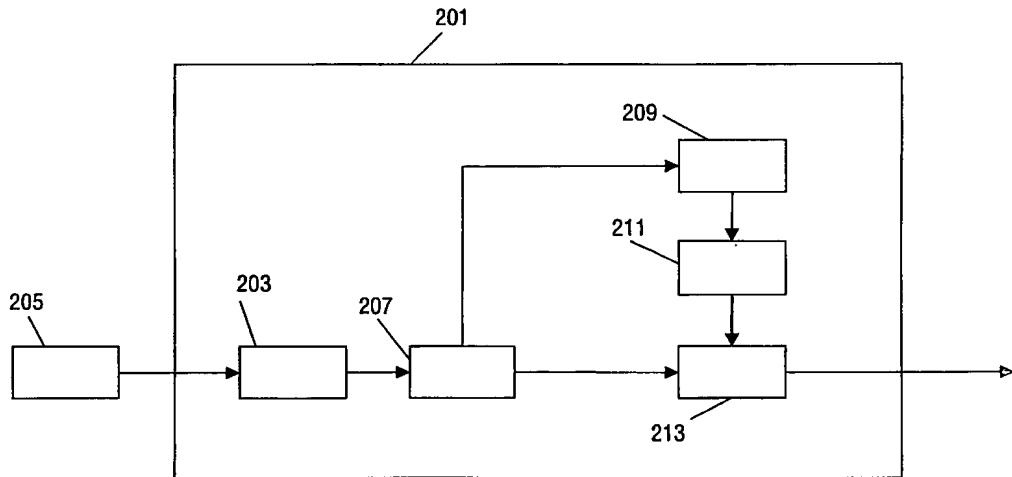
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(54) Title: VIDEO TRANSCODING



(57) Abstract: The invention relates to video transcoding between a first and second video standard, such as H.264 and MPEG-2. A video transcoder (201) comprises an interface (203) that receives a video signal in accordance with a first video encoding standard. The video signal is decoded in a decoder (207). An extraction processor (209) extracts motion estimation data from the first video signal, preferably as part of the decoding process. A motion estimation data processor (211) generates second motion estimation data, compatible with a second video encoding standard having a different set of motion estimation options, from the first motion estimation data. The second motion estimation data is generated by projecting motion estimation block positions between reference pictures, aligning prediction blocks with a block position framework and adjusting the prediction block sizes. The second motion estimation data is fed to an encoder (213) which encodes the decoded signal in accordance with the second video encoding standard using the second motion estimation data.

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